Recycleye QualiBot®

Profitability is your MRF's key driver. Recycleye QualiBot® helps reduce costs by automating your picking operations, bringing you quality results with a retrofittable solution.

Establish consistency of your QC, whilst picking into newly possible categories, with robust technology that's easily installed over your existing material stream.

Intelligence capabilities

AI-powered sorting to detect with accuracy previously impossible

Developed with one of the world's largest robotics manufacturers
FANUC

Expert solutions delivered in partnership, tailored to your needs

Your next innovation. Sorted.

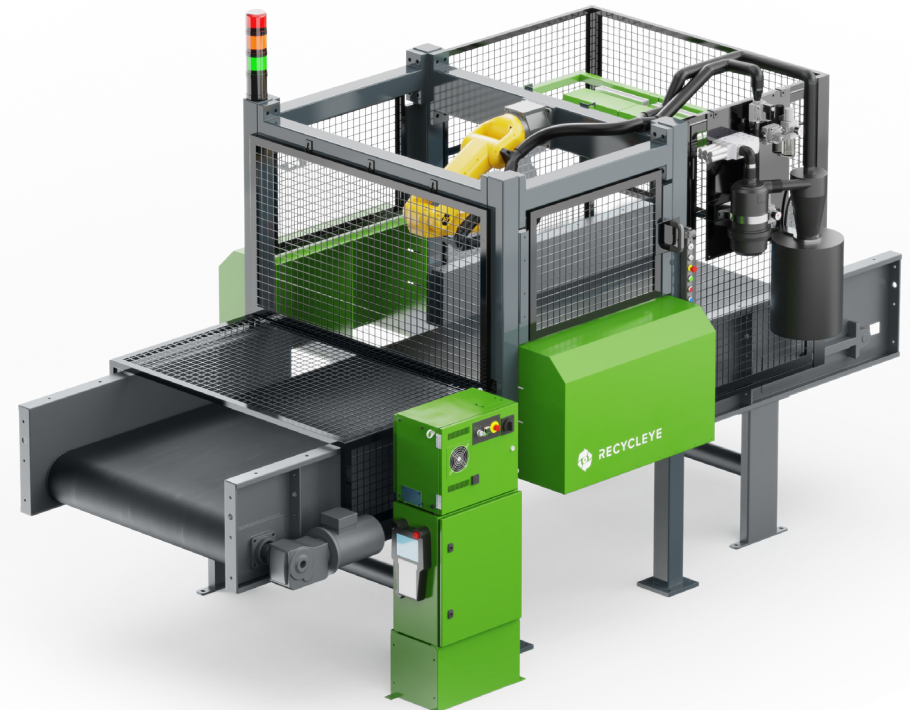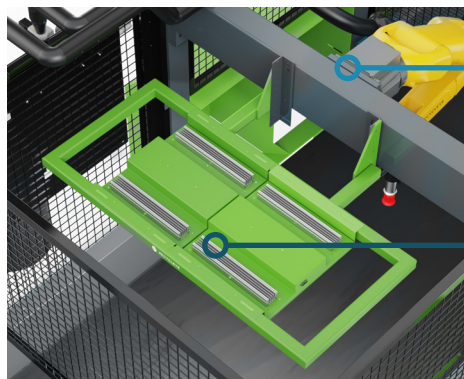**Robust QC automation designed for DMR.**

Fast retrofit with no plant modifications.

24/7 robotic picking. Always there, always sorting.

Recycleye service and maintenance plan to bring peace of mind.

Sorting to material & object granularity

PET HDPE Paper Aluminium cans Cardboard Aluminium aerosols

Object

Bottle	Aerosol	Box
Tray	Liquid carton	Pot
Can	Egg carton	Lid
Film	Cylinder	Wrapper

Material

PET (By colour)	PVC	Print	Aluminium
HDPE (Jazz/Nat)	PS	Greyboard	Textile
PP	Newspaper	Cardboard	Residual
LDPE	Magazine	Steel	Multi

System components

Light & modular hardware can be retrofitted to existing belt
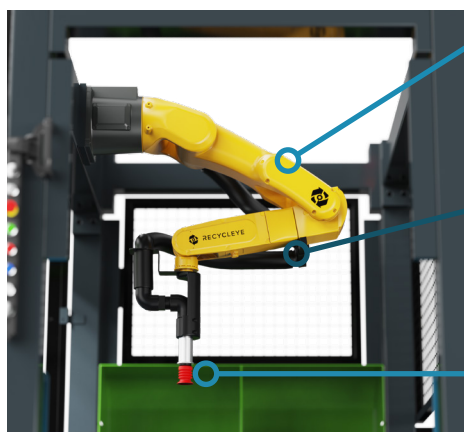
AI-powered computer vision technology

6-axis robot equipped with pick, rotate & shoot functionality

Pneumatic system with pressure sensor, avoiding empty picks

Silicone gripper tailored to long-lasting DMR picking

Near real-time dashboard for remote performance monitoring

Performance characteristics

Typical pick speed	30-50 picks per minute, depending on line
Coverage width (excl. frame)	<1.2m (but multiple robots can offset to cover wider belts)
Accuracy	Purity up to 95%
Compositional data	Full access to dashboard & local data link (SCADA)

Technical specifications

Max pickable weight	1kg
Electrical power	1 Phase voltage 230V (1kW)
Total weight	<300kg
Height above belt	1.2m frame
Width across belt	Variable
Safety distance	1-1.4m
Internet connection	20 up 20 down MB/s
Compressed air requirements	27 SCFM (760l/min) @7 bar

Trusted by leaders

VEOLIA   FCC Environment   Panda   urbaser